



Film

Repsol Alcludia · Repsol PE Ultraclean[®] · Repsol Resistex[®] ·
Repsol Primeva[®] · Repsol Ebantix[®] · Repsol Isplen

Repsol. A global multi-energy company

With over 8 decades of experience

It is leading the energy transition with its ambition of achieving zero net emissions by 2050.

Present throughout the energy value chain, the company employs 24,000 people worldwide and distributes its products in nearly 100 countries. Its customer-focused product and services portfolio meets all consumer needs of around 24 million customers, whether at home or on the move.

Repsol Campus, Corporate Headquarters in Madrid
LEED® Platinum certificate, awarded by the prestigious U.S. Green Building Council (USGBC), for new buildings construction





Chemicals

Repsol manufactures a wide variety of products, ranging from base petrochemicals to derivatives

Base petrochemicals: ethylene, propylene, butadiene, and benzene.

Intermediate products: styrene, propylene oxide, polyether polyols, and propylene glycols.

Polyolefins: polypropylene (PP) and PP compounds, both high and low density polyethylene (HDPE and LDPE), metallocene linear low density polyethylene (mLLDPE), ethylene vinyl acetate (EVA) and ethylene butyl acrylate (EBA) copolymers.

Over 100 scientists and researchers working for you

Including qualified personnel specialized on Product Stewardship.

Repsol's commitment to R&D is evidence of the company's aim to attain business excellence to meet future horizons.

Added value

Repsol's Chemicals Division, with a high degree of integration, focuses its strategy on the constant generation of value through differentiated products and services.

Working for a more sustainable future

At Repsol, we believe in the circular economy, and we run specific projects that minimize the environmental impact of our materials. To this end, we are committed to making our industrial processes increasingly efficient and reducing the carbon footprint of our polymers.

We have a **specialized circular economy department** dedicated to recycling post-consumer materials to drive development of new materials offering solutions based on innovative polyolefins with recycled content.

We **use recycled plastics in critical applications**, creating new markets for plastic waste and driving circularity by giving that waste a new use. As a result, we offer a wide range of polyolefins with recycled content that deliver excellent engineering performance certified under UNE-EN 15343.

We have circular polyolefins obtained by incorporating pyrolysis oil, from chemically recycled plastic waste not suitable for mechanical recycling, together with virgin feedstock into our petrochemical process, reducing the consumption of non-renewable resources.

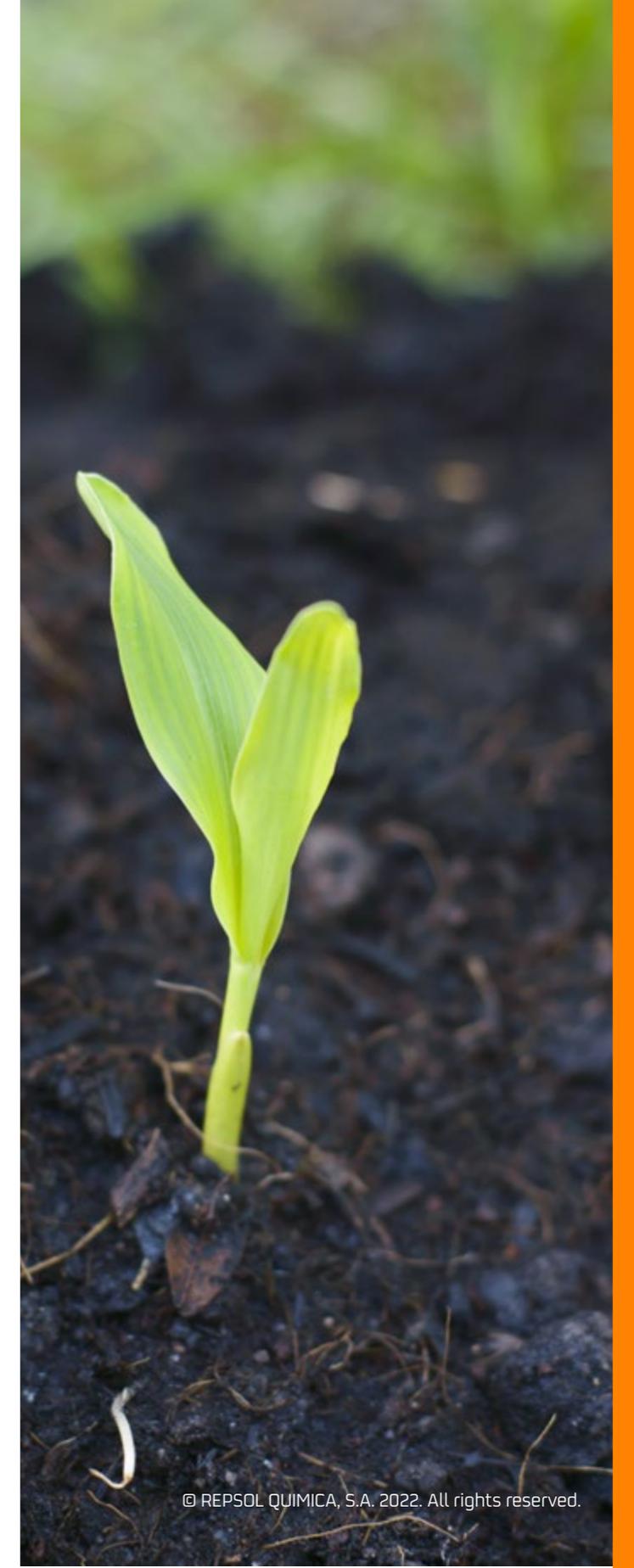


**Committed
to Net Zero
Emissions**

These circular polyolefins have the same properties and quality as virgin material and hold Food Contact Approval. We have obtained ISCC PLUS certification for circular and traceable polyolefins that use plastic waste as raw material. Moreover, our wide range of polyolefins is 100% recyclable. Our ambition is to **recycle by 2030 the equivalent of 20% of the polyolefins we produce** to support, in conjunction with the other initiatives in Repsol's circular economy strategy, the goal we announced in December 2019: to reach net zero emissions by 2050.

To contribute to the company's emissions neutrality goal, **our chemicals business has launched its 3030 Plan, intended to cut our carbon intensity by 30% by 2030.**

Advancing the circular economy and lowering carbon intensity in our chemicals business will contribute towards transforming Repsol's industrial operations, as well as **developing high-value-added raw materials, making it possible to manufacture an infinite number of products that improve human well-being, safety, and quality of life while enhancing the environment.**



Trusting differentiation to make you unique

What we add: grades, value, trust

Repsol Alcludia

- PE grades for high performance shrink film with excellent optical properties, increased rigidity and high processability.
- Easy-tear grade for the hygiene segment.
- Grades optimized for extrusion coating systems.

Repsol PE Ultraclean[®]

- Range of LDPE products with very low gel content.
- Analysis in continuous compliance with the strictest standards of quality.

Repsol Resistex[®]

- mLLDPE grades with high transparency and gloss: sharper view in packaging of products.
- Low seal initiation temperature: saving energy and time.
- High tear resistance: higher security and performance of containers.

Repsol Primeva[®] and Repsol Ebantix[®]

- Wide range of EVA /EBA copolymers for film and stretch sleeves, agricultural film, and extrusion coating.
- Excellent optical and mechanical properties with good adhesion to different substrates (PE, PET, etc.).
- Combinable in multilayer films, extrusion.

Repsol Isplen

- Extensive range of PP for cast film, blow molding and BOPP film: rigidity, cold impact resistance, stretchability and low sealing temperature.
- Specialties: peelable, matte-look, high-quality film grades for coextrusion.
- Grades suitable for metallization.

Understanding your needs

At Repsol we are committed with the development of new products for our clients. We are in constant search of innovative solutions to meet all your needs. Our goal is to develop cutting-edge products to offer reliable and quality solutions to enhance your business.

Due to this vision Repsol displays one of the widest ranges of EVA & EBA copolymers in the market.

Over 45 years of experience in the market

During our 47 years of experience, we have developed an integrated chemical business. This way at Repsol we control all key factors of the value chain: research, development, manufacturing, and distribution.

But we know providing quality products is not enough. Ensuring availability and supply is also fundamental to run any business.

Therefore, Repsol is the partner you can trust when it comes to quality, flexibility and safety.

Over 75 grades for film

Our versatility allows us to produce one of the most extensive ranges of copolymers in the market for a wide range of industrial sectors like:



Agriculture



Automotive



Well-being
& consumer products



Building
& infrastructure



Packaging



Healthcare



To innovate is to add value

Variety

- Wide range of polyolefin grades for film: LDPE, HDPE, mLLDPE, EVA, EBA, and PP.
- Multiple applications of film in food packaging, industry, and agriculture.

Properties

- Excellent optical and mechanical qualities.
- High processability.

Service

- Solutions tailored to each customer.
- Additives designed to meet the specific needs of each application.

Safety

- We are the first polyolefin producer to have all our complexes certified according to the FSSC 22000 food safety standard.
- Our customers are free to use our food safety assessment service: regulations, legislation, certifications, migration tests, REACH.



Commitment

- Repsol offers you its full capacity for innovation for the continual improvement of its products.
- Strict compliance with the regulations and requirements of each application.



Repsol Alcludia

Blown fim. LDPE



Grade	MFI	Density	Thermal stabilizer	Additives	Slip (ppm)	Key properties	Applications
	ISO 1133 (g/10 min) 190 °C / 2.16 Kg	ISO 1183 (Kg/m ³)					
2202F	0.25	921				Tubular grade for easy processing and great mechanical strength.	Agricultural and industrial film. Heavy / medium duty bags. Shrink film / hood.
2303F	0.30	922				Tubular grade for easy processing and great mechanical strength.	Agricultural and industrial film. Heavy / medium duty bags. Shrink film / hood.
2203F	0.30	922				Autoclave grade for easy processing and high mechanical strength.	Agricultural and industrial film. Heavy / medium duty bags. Shrink film / hood.
PE033	0.30	921	■			Autoclave grade for easy processing and high mechanical strength.	Agricultural and industrial film. Heavy / medium duty bags. Shrink film / hood.
PE034	0.30	922	■	3000		Autoclave grade for easy processing and high mechanical strength.	Agricultural and industrial film. Heavy / medium duty bags. Shrink film / hood.
2805F	0.55	928	■			Autoclave grade with high mechanical strength, increased stiffness and high gloss.	Collation shrink film.
2107F	0.70	921				Autoclave grade for easy processing and good mechanical strength.	Heavy / medium duty bags. FFS packaging. Shrink film / hood. Lamination. Food packaging.
2107FG	0.70	921		800	500	Autoclave grade for easy processing and good mechanical strength.	Heavy / medium duty bags. FFS packaging. Shrink film / hood. Lamination. Food packaging.
2308F	0.75	923				Tubular grade with high mechanical strength and good optical properties.	Heavy / medium duty bags. FFS packaging. Shrink film / hood. Lamination. Food packaging.
2308FGA	0.75	923		800	500	Tubular grade with high mechanical strength and good optical properties. Medium slip.	Heavy / medium duty bags. FFS packaging. Shrink film / hood. Lamination. Food packaging.
NEW 2308FGB	0.75	923	■	875	425	Tubular grade of great mechanical strength and high transparency. Medium slip.	Heavy / medium duty bags. FFS packaging. Shrink film / hood. Lamination. Food packaging.
2810F	1.0	928	■			Autoclave grade with high mechanical strength, increased stiffness and high gloss.	Collation shrink film. Lamination.
2810FG	1.0	928	■	850	500	Autoclave grade with high mechanical strength, increased stiffness and high gloss.	Collation shrink film. Lamination.

Repsol Alcludia

Blown fim. LDPE



Grade	MFI	Density	Thermal stabilizer	Additives		Key properties	Applications
	ISO 1133 (g/10 min) 190 °C / 2.16 Kg	ISO 1183 (Kg/m ³)		Antiblocking (ppm)	Slip (ppm)		
PE015	1.0	921				Easy-to-process autoclave grade, good mechanical strength and good optical properties.	FFS packaging. Shrink film / hood. Food packaging.
2212FA	1.2	922	■	850		Easy-to-process autoclave grade, good mechanical strength and good optical properties.	FFS packaging. Shrink film / hood. Food packaging.
2212FG	1.2	922	■	850	450	Easy-to-process autoclave grade, good mechanical strength and good optical properties.	FFS packaging. Shrink film / hood. Food packaging.
PE046	2.0	921	■	1125	550	Autoclave grade of good mechanical strength. High slip.	FFS packaging. Shrink film / hood. Lamination. Food packaging.
NEW 2320F	2	923	■			Tubular grade with excellent optical properties for outer layer in film co-extrusion.	FFS packaging. Shrink film / hood. Lamination. Food packaging.
NEW 2320FG	2	923		1125	550	Tubular grade with excellent optical properties for outer layer in film co-extrusion.	FFS packaging. Shrink film / hood. Lamination. Food packaging.
2221F	2.1	922	■			Autoclave grade of outstanding processability with good mechanical and optical properties for internal faces in coextrusions.	FFS packaging. Shrink film / hood. Lamination. Food packaging.
2221FG	2.1	922	■	850	500	Autoclave grade of outstanding processability with good mechanical and optical properties for internal faces in coextrusions.	FFS packaging. Shrink film / hood. Lamination. Food packaging.
PE003	2.3	920				Autoclave grade of outstanding processability with good mechanical properties.	FFS packaging. Shrink film / hood. Lamination. Food packaging.
2335FG	3.5	923	■	900	700	Autoclave grade of outstanding processability in thin thicknesses, with good optical properties. High slip.	Food packaging. Textile / thin films.
3235FGA	3.5	932	■	400	650	Autoclave grade of outstanding processability in thin thicknesses, easy tear and high stiffness.	Textile / thin films. Hygiene.
PE063	4,0	920	■	1200	580	Autoclave grade of outstanding processability in thin thicknesses. High slip	Food packaging. Textile / thin films.

Repsol Alcudia

Masterbatch and high MFI. LDPE



Grade	MFI ISO 1133 (g/10 min) 190 °C / 2.16 Kg	Density ISO 1183 (Kg/m ³)	Key properties	Applications
NEW 1940C	3.9	920	Autoclave grade with remarkable ease of processing, good mechanical and optical properties, excellent adhesion and sealing strength.	Cast film / Co-extrusion. Extrusion coating.
PE041	4.0	920	Autoclave grade with remarkable ease of processing, good mechanical and optical properties, excellent adhesion and sealing strength.	Cast film / Co-extrusion. Extrusion coating.
1970C	7.5	920	Autoclave grade with good organoleptic properties, excellent adhesion and low neck-in. High production speeds over the entire extrusion temperature range and thin coating thicknesses even at low temperatures.	Extrusion coating.
PE071	8.5	919	Autoclave grade with good organoleptic properties, excellent adhesion and low neck-in. High production speeds over the entire extrusion temperature range and thin coating thicknesses even at low temperatures.	Extrusion coating.
PE019	20	919	Autoclave grade with excellent adhesion, downgauging and high production speeds.	Extrusion coating. Masterbatch.
2322M	22	923	Autoclave grade with excellent adhesion, downgauging and high production speeds.	Extrusion coating. Masterbatch.
PE022	70	915	Autoclave grade with good toughness and flow behavior.	Extrusion coating. Masterbatch.
17070M	70	917	Autoclave grade with good toughness and flow behavior.	Extrusion coating. Masterbatch.
PE023	150	916	Autoclave grade with very high fluidity.	Extrusion coating. Masterbatch.



Excellent properties with very low thickness.
We also have grades optimized for the most modern extrusion coating systems



Repsol Alcludia

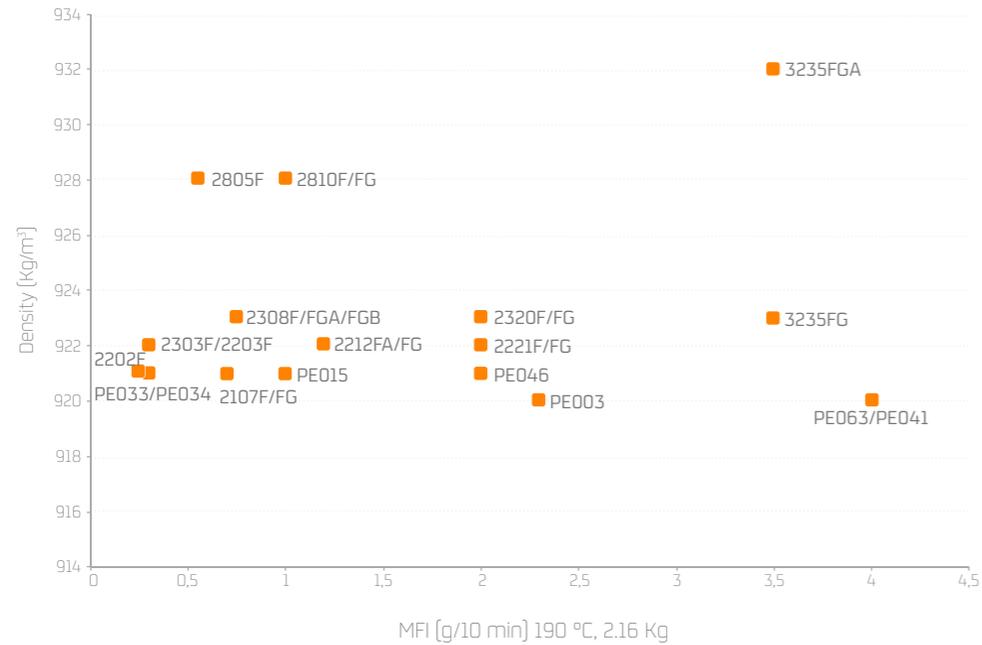


Grade	MFI ISO 1133 (g/10 min) 190 °C / 21.6kg	Density ISO 1183 (Kg/m ³)	Additives Thermal stabilizer	Antiblocking (ppm)	Slip (ppm)	Key properties	Applications
TR156G	9.0 *	956	■	-	-	Grade that combines good mechanical strength, high toughness and good thermal stability.	Fresh produce bags. Thin films.
TR135	12 *	938	■	-	-	Easy processability into thin films with excellent mechanical properties, good sealing characteristics and high stress crack resistance.	Thin films. Refuse / carrier bags.

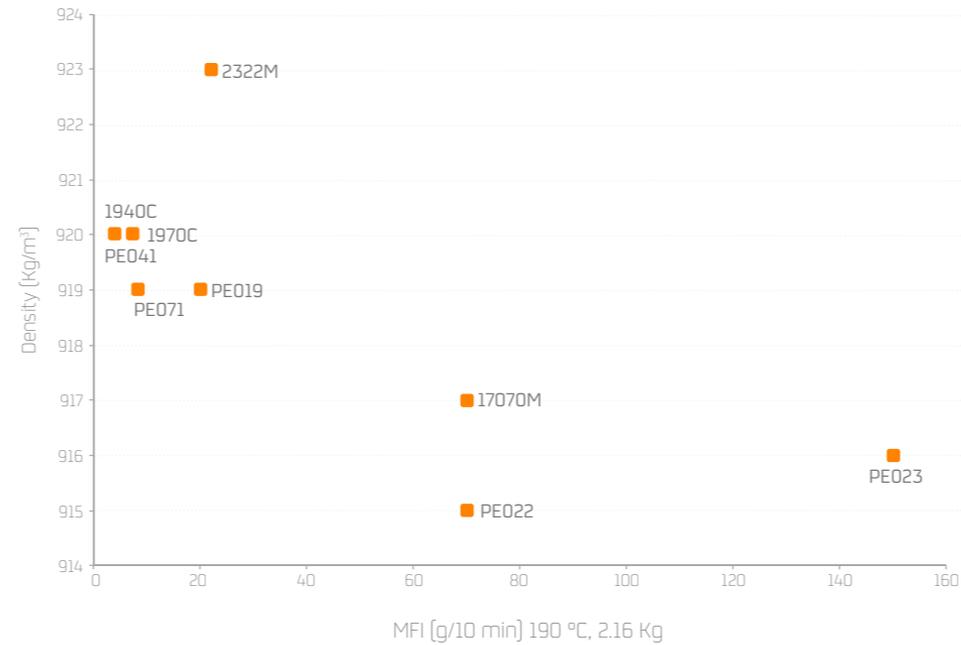
*MFI for HDPE measured at 21.6kg



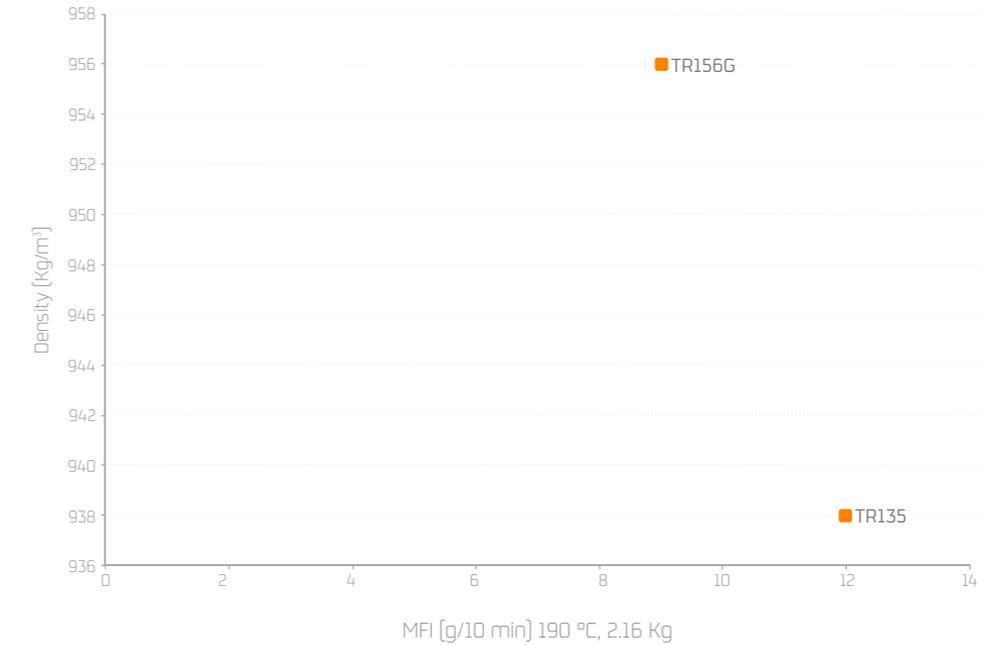
Blow film. LDPE



Masterbatch and high MFI



Blow film. HDPE



Our developments of grades for high performance shrink film succeed in combining excellent optical properties with increased rigidity and high processability



Repsol PE Ultraclean[®]

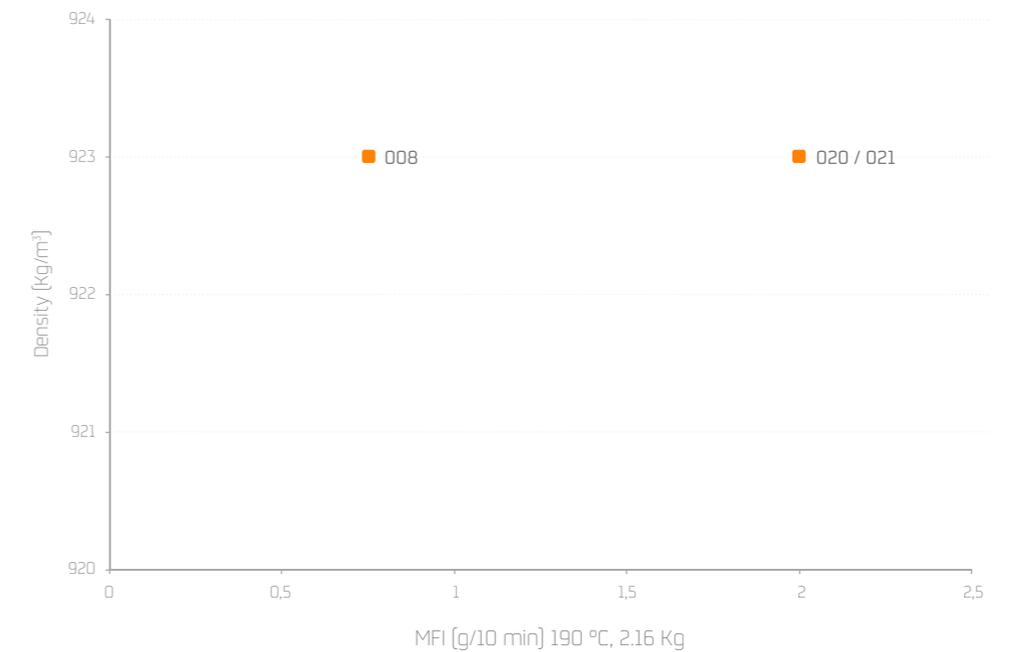
Very low gel level. LDPE



Grade	MFI ISO 1133 (g/10 min) 190 °C / 2.16 Kg	Density ISO 1183 (Kg/m ³)	Thermal stabilizer	Antiblocking (ppm)	Slip (ppm)	Key properties	Applications
008	0.75	923	-	-	-	Tubular grade with very low gel level, excellent optical properties.	Protective film. High quality lamination.
020	2.0	923	■	-	-	Tubular grade with very low gel level, excellent optical properties.	High quality lamination. Decorative film for surfaces.
021	2.0	923	-	1,125	550	Tubular grade with very low gel level, excellent optical properties.	High quality lamination. Decorative film for surfaces.



Repsol PE Ultraclean[®] is specially designed for those film applications with the market's strictest quality requirements, which respect the impeccable finish of the surfaces they protect



Repsol Resistex[®]

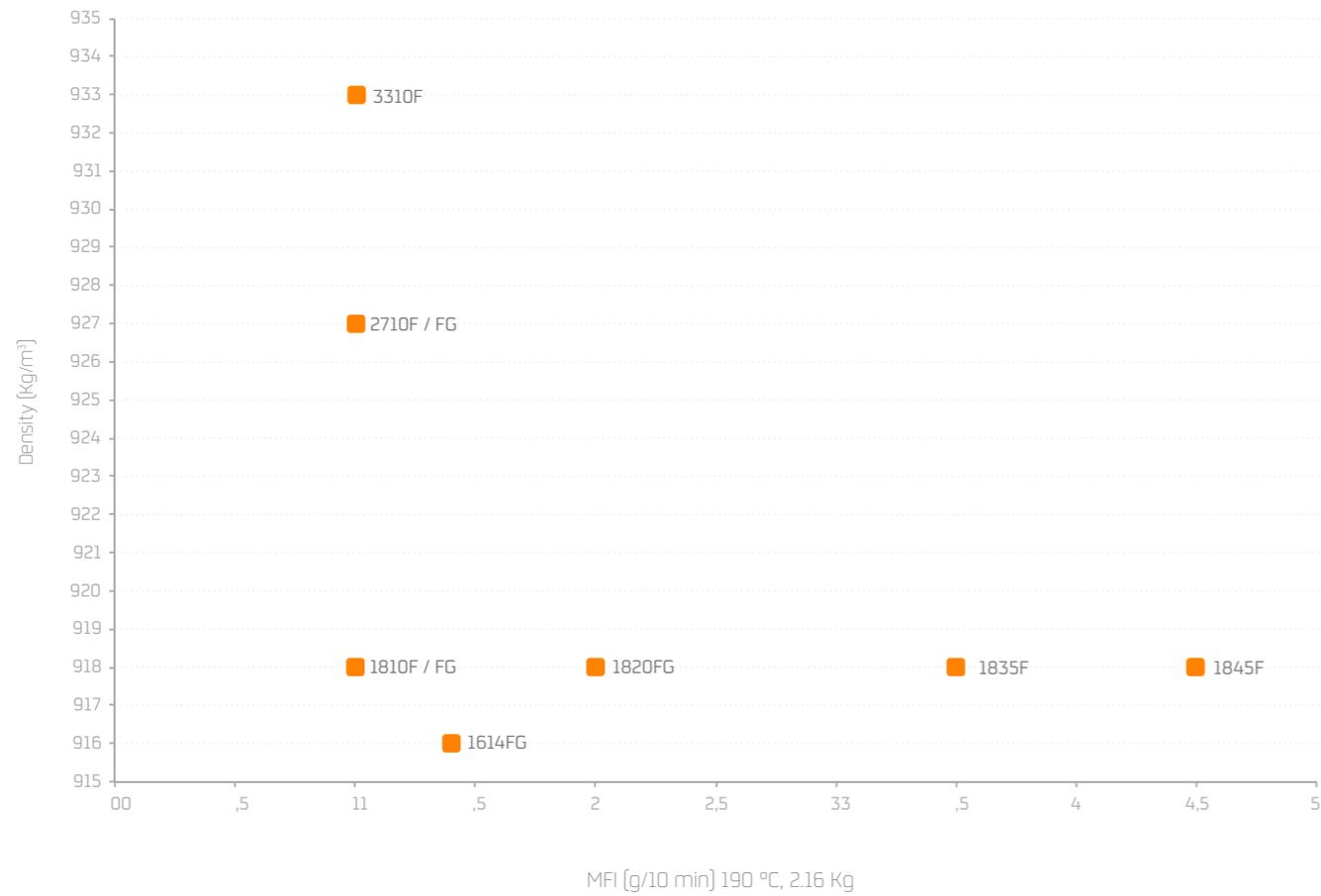
High performance film. m-LLDPE



Grade	MFI	Density	Gloss	Haze	Sealing Temperature	Additives				Key properties	Applications
	ISO 1133 [g/10 min] 190 °C / 2.16 Kg	ISO 1183 [Kg/m ³]	ISO 2813 60 °	D-1003 ASTM %	ASTM F1921-12 %	Thermal stabilizer	Antiblocking [ppm]	Slip [ppm]	Processing aid		
1810F	1.0	918	136	4	102	■	-	-	■	High mechanical and optical properties. Sealing layer in co-extrusions.	Freezer films. Bakery films. Stretch hood / Shrink films / FFS packaging. High performance refuse bags. Agricultural film.
1810FG	1.0	918	120	5	102	■	2,500	1,000	■	High mechanical and optical properties. Sealing layer in co-extrusions.	Freezer films. Bakery films. Stretch hood / Shrink films / FFS packaging. High performance refuse bags. Agricultural film.
2710F	1.0	927	120	8	104	■	-	-	■	Greater stiffness while maintaining high optical properties. Outstanding sealing strength.	Bakery films. Stand up pouch. Stretch hood / Shrink films / FFS packaging. High performance refuse bags.
2710FG	1.0	927	110	8	104	■	2,500	1,000	■	Greater stiffness while maintaining high optical properties. Outstanding sealing strength.	Bakery films. Stand up pouch. Stretch hood / Shrink films / FFS packaging. High performance refuse bags.
3310F	1.0	933	120	11	112	■	-	-	■	Greater stiffness while maintaining good optical properties. Outstanding sealing strength.	Bakery films. Stand up pouch. Stretch Hood / Shrink films / FFS packaging.
1614FG	1.4	916	130	2	97	■	2,500	1,000	■	High processability, puncture resistance and excellent sealing capacity at low temperatures.	Freezer films. Bakery films. Stretch hood / Shrink films / FFS packaging.
1820FG	2.0	918	130	3	100	■	2,500	1,000	■	High processability, low thickness films with high mechanical performance. Sealing layer in co-extrusions.	Freezer films. Bakery films. Stretch hood / Shrink films / FFS packaging. High performance refuse bags.
1835F	3.5	918	140	2	100	■	-	-		Excellent elongation at break and toughness, high puncture resistance and gloss.	Cast / Stretch film.
1845F	4.5	918	140	2	100	■	-	-		Excellent elongation at break and toughness, high puncture resistance and gloss.	Cast / Stretch film.

Repsol Resistex[®]

High performance film. m-LLDPE



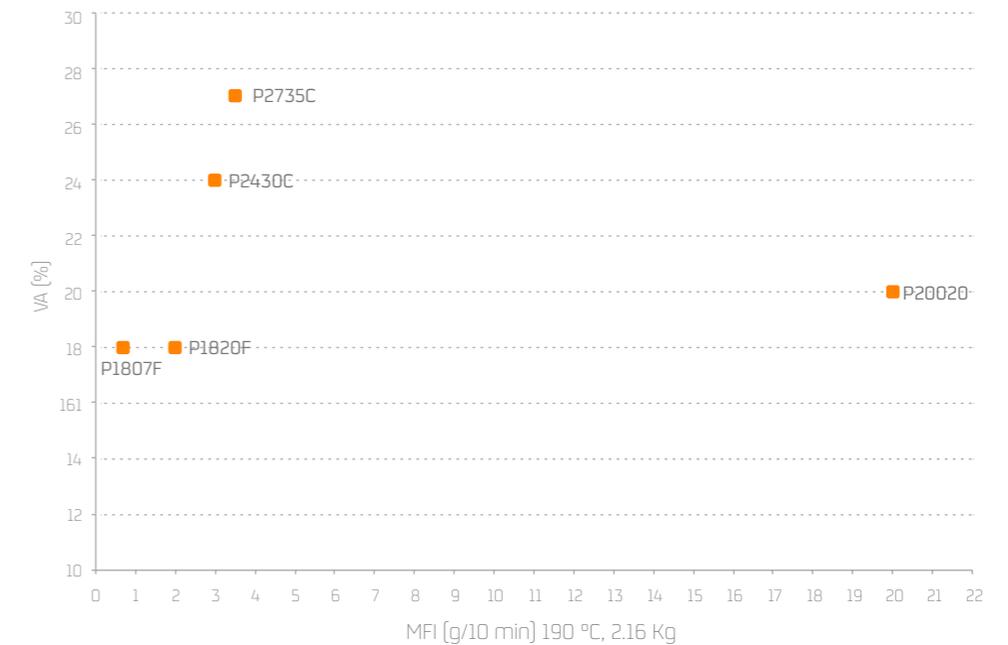
Repsol Primeva[®]

EVA copolymers



Grade	MFI ISO 1133 [g/10 min] 190 °C / 2.16 Kg	Density ISO 1183 [Kg/m ³]	Comonomer Vinyl acetate %	Melting temperature ISO 11357-3 °C	Key properties	Applications
P1807F	0.70	941	18	87	High elastic recovery maintaining the holding force in hoods. Photostability and thermicity.	Agricultural film. Stretch hood.
P1820F	2.0	937	18	87	It combines excellent processability and flexibility with good mechanical properties. Good adhesion to polar substrates. Sealing layer in co-extrusions.	Agricultural film. Thermal fused bags.
P2430C	3.0	944	24	77	High flexibility and high compatibility with mineral loads.	Co-extrusion / Thermo-adhesive film. Thermal fused bags.
P2735C	3.5	953	27	73	It combines excellent processability and flexibility with good mechanical properties. Good adhesion to polar substrates. Sealing layer in co-extrusions.	Co-extrusion / Thermo-adhesive film. Thermal fused bags.
P20020D	20	940	20	82	Low gel content and good adhesion to polar substrates. Sealing layer with low sealing start temperature.	Co-extrusion / Thermo-adhesive film. Extrusion coating.

NEW



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Repsol Ebantix[®]

EBA copolymers



Grade	MFI ISO 1133 [g/10 min] 190 °C / 2.16 Kg	Density ISO 1183 [Kg/m ³]	Comonomer Butyl acrylate %	Melting temperature ISO 11357-3 °C	Key properties	Applications
E303	0.30	923	3	110	Good behavior at low temperatures. Photostability and thermicity.	Agricultural film.
E803C	0.30	924	8	106	Good behavior at low temperatures. Photostability and thermicity.	Agricultural film.
E1303	0.30	925	13	101	High elastic recovery maintaining the holding force in hoods. Photostability and thermicity.	Agricultural film. Stretch hood.
E1704	0.40	925	17	96	High elastic recovery maintaining the holding force in hoods. Photostability and thermicity.	Agricultural film. Stretch hood.
E1715	1.5	926	17	95	It combines excellent processability and flexibility with good mechanical properties.	Agricultural film.
E2735C	3.5	924	27	80	It combines excellent processability and flexibility with good mechanical properties. Good adhesion to polar substrates. Sealing layer in co-extrusions.	Co-extrusion / Thermo-adhesive film. Thermal fused bags.
E1770	7	924	17	93	It combines excellent processability and flexibility with good mechanical properties. Good adhesion to polar substrates.	Co-extrusion / Thermo-adhesive film. Extrusion coating.
E20020	20	925	20	89	It combines excellent processability and flexibility with good mechanical properties. Good adhesion to polar substrates.	Co-extrusion / Thermo-adhesive film. Extrusion coating.

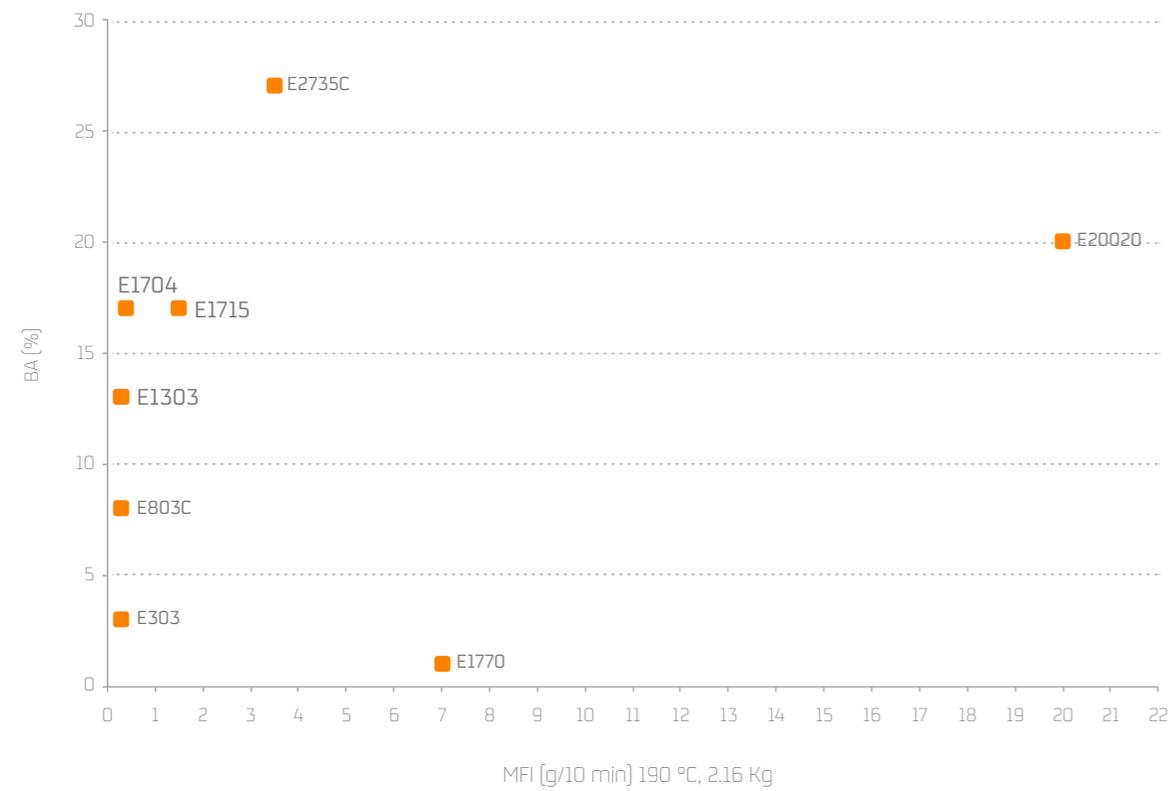


EBA copolymers offer numerous advantages in the agricultural film sector, where Repsol has more than 70 years of experience



Repsol Ebantix[®]

EBA copolymers



Repsol Isplen

Extrusion. Polypropylene



Grade	Type	MFI ISO 1133 (g/10 min) 230 °C / 2.16 Kg	Flexural modulus ISO 178 MPa	Melting temperature ISO 11357-3 °C	Vicat softening temperature A120 (10 N)		Additives				Key properties	Transformation process			Applications
					ISO 306 °C	Antiblocking (ppm)	Slip (ppm)	Antistatic (ppm)	Calcium stearate	Usual		Frequent	BOPP	Blown	
PP034W3F	Homopolymer	2.1	1,350	158	152	-	-	-	NO	Easy orientation and high melt strength. Metallizable film.	■	□	□	Food packaging. Lamination. Stationery. Labels Metallizable. Tapes.	
PP044W3F	Homopolymer	3.0	1,350	158	152	-	-	-	NO	Easy orientation and high melt strength. Metallizable film.	■	□	□	Food packaging. Lamination. Labels. Metallizable. Tapes. Stretch film.	
PP064W1F	Homopolymer	9.0	1,500	165	155	-	-	-	NO	Good optical properties and high stiffness. Metallizable film.			■	Food packaging. Stationery. Flower wrapping. Labels. Metallizable. Hygiene.	
NEW PP064M1F	Homopolymer	9.0	1,500	165	155	1,900	1,900	-	-	Good optical properties and high stiffness. Formulated with silica and erucamide.			■	Food packaging. Stationery. Flower wrapping.	
NEW PP064S2F	Homopolymer	9.0	1,500	165	155	1,900	1,900	3,000	-	Good optical properties and high stiffness. Formulated with silica, erucamide and amine-free antistatic.			■	Food packaging. Stationery. Flower wrapping.	
PB120G1F	Heterophasic	0.95	1,200	166	150	-	-	-	-	Very high toughness and good stiffness over a wide range of temperature.		■	□	Food packaging. Lamination. Tapes. Hygiene.	
PB130G1F	Heterophasic	1.3	1,200	165	150	-	-	-	-	High toughness and good stiffness over a wide range of temperature.		■	■	Food packaging. Lamination. Tapes.	
NEW PB140G1F	Heterophasic	3.5	1,200	165	150	-	-	-	-	Good stiffness-impact balance over a wide range of temperature.		□	■	Food packaging. Lamination. Labels. Tapes. Hygiene.	
PB150G1F	Heterophasic	7.0	1,150	165	150	-	-	-	-	High toughness over a wide range of temperature.			■	Food packaging. Lamination	
PB154M1F	Heterophasic	7.0	1,100	165	150	1,700	1,700	-	-	Excellent toughness, even at low temperature, and good optical properties. Formulated with silica and erucamide.			■	Food packaging. Lamination	
PB170G1F	Heterophasic	13	1,150	165	150	-	-	-	-	High toughness and excellent processability.			■	Food packaging. Lamination	

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Repsol Isplen

Extrusion. Polypropylene



	Grade	Type	MFI	Flexural modulus	Melting temperature	Vicat softening temperature A120 (10 N)	Additives				Key properties	Transformation process			Applications
			ISO 1133 (g/10 min) 230 °C / 2.16 Kg				ISO 178 MPa	ISO 11357-3 °C	ISO 306 °C	Antiblocking (ppm)		Slip (ppm)	Antistatic (ppm)	Calcium stearate	
NEW	PR230W1F	Random	1.6	800	140	130	-	-	-	NO	Good transparency and heat sealing properties. Metallizable film.		■	□	Food packaging. Lamination. Labels. Metallizable.
	PR230C1E	Random	1.6	850	143	130	-	-	-	-	Excellent transparency and gloss.		□	■	Food packaging. Lamination. Labels.
	PR255W1F	Random	8	800	138	125	-	-	-	NO	Excellent transparency and good heat sealing properties. High quality and metallizable film.		□	■	Food packaging. Lamination. Stationery. Flower wrapping. Labels. Metallizable. Textile packaging. Stretch film
	PR264G1F	Random	8.5	900	143	130	-	-	-	-	High transparency and good heat sealing properties.			■	Food packaging. Lamination. Stationery. Flower wrapping. Textile packaging.
	PR264M1F	Random	8.5	900	143	130	1,600	1,600	-	-	High transparency and good heat sealing properties. Formulated with silica and erucamide.			■	Food packaging. Lamination. Stationery. Flower wrapping. Textile packaging.
NEW	PR264S2F	Random	8.5	900	143	130	1,600	1,600	3,000	-	High transparency and good heat sealing properties. Formulated with silica, erucamide and amine-free antistatic.			■	Food packaging. Lamination. Stationery. Flower wrapping. Textile packaging.

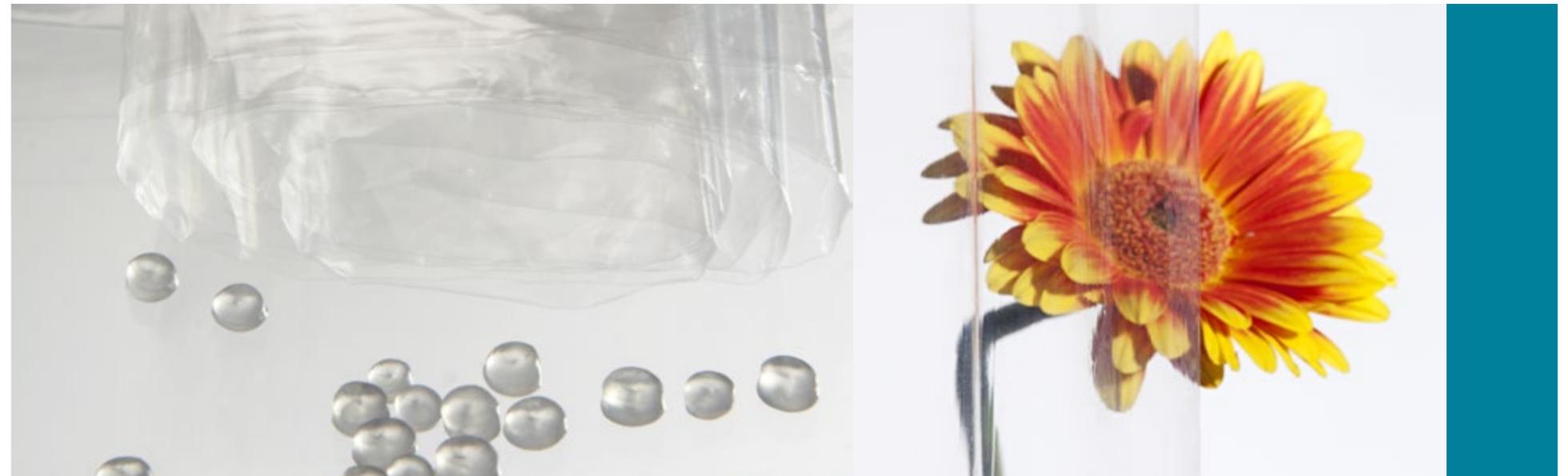
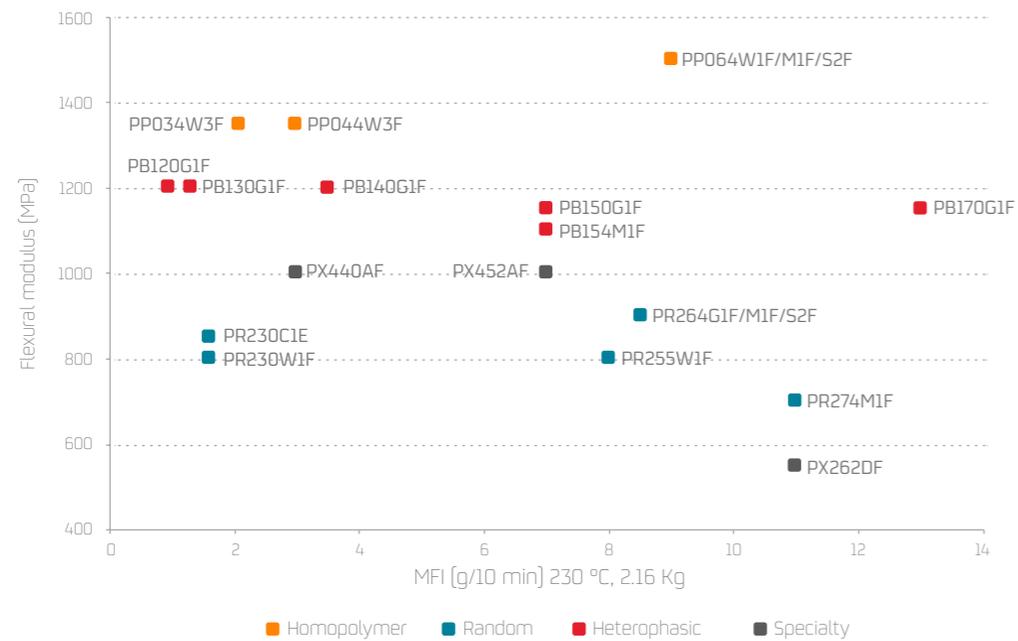


Repsol Isplen

Extrusion. Polypropylene



Grade	Type	MFI	Flexural modulus	Melting temperature	Vicat softening temperature A120 (10 N)	Additives				Key properties	Transformation process			Applications
		ISO 1133 (g/10 min) 230 °C / 2.16 Kg	ISO 178 MPa	ISO 11357-3 °C	ISO 306 °C	Antiblocking (ppm)	Slip (ppm)	Antistatic (ppm)	Calcium stearate		Usual	Frequent	BOPP	
NEW PR274M1F	Random	11	700	138	120	1,600	1,600	-	-	High transparency and gloss, very good heat sealing and hot-tack properties. Formulated with silica and erucamide.				Food packaging. Lamination. Stationery. Flower wrapping. Textile packaging.
PX440AF	Specialty	3.0	1,000	131	-	-	-	-	-	Matt film with low gloss, high haze but high light transmission.	■	■		Food packaging. Lamination. Stationery.
PX452AF	Specialty	7	1,000	131	-	-	-	-	-	Matt film with low gloss, high haze but high light transmission.			■	Food packaging. Lamination. Stationery.
PX262DF	Specialty	11	550	142	-	-	-	-	-	High transparency, low welding temperature and easy-open seal for peelable film.		□	■	Food packaging. Lamination



Extrusion coating

Repsol Alcudia



Grade	MFI	Density	Vicat temperature	Key properties
	ISO 1133 (g/10 min) 190 °C / 2.16 Kg	ISO 1183 (Kg/m ³)	ISO 306 °C	
NEW 1940C	3.9	920	88	It combines remarkable processability with good mechanical and optical properties, as well as excellent adhesion and sealing strength.
PE041	4	920	88	It combines remarkable processability with good mechanical and optical properties, as well as excellent adhesion and sealing strength.
1970C	7.5	920	86	Good organoleptic properties, excellent adhesion and low neck-in. High production speeds over the entire extrusion temperature range and thin coating thicknesses even at low temperatures.
PE071	8.5	919	89	Good organoleptic properties, excellent adhesion and low neck-in. High production speeds over the entire extrusion temperature range and thin coating thicknesses even at low temperatures.
PE019	20	919	80	Excellent adhesion, downgauging and high production speeds.
2322M	22	923	80	Excellent adhesion, downgauging and high production speeds.



Extrusion coating

Repsol Primeva®



Grade	MFI	Density	Vicat temperature	Key properties
	ISO 1133 [g/10 min] 190 °C / 2.16 Kg	ISO 1183 [Kg/m³]	ISO 306 °C	
P20020D	20	940	53	EVA with a content of 20% vinyl acetate. It is characterized by its low gel content and is especially suitable for extrusion coating of polar substrates. Sealing layer with low Seal Initiation Temperature.

Repsol Ebantix®

Grade	MFI	Density	Vicat temperature	Key properties
	ISO 1133 [g/10 min] 190 °C / 2.16 Kg	ISO 1183 [Kg/m³]	ISO 306 °C	
E1770	7	924	61	EBA with a content of 17% butyl acrylate. It combines excellent processability and flexibility with good mechanical properties. Good adhesion to polar substrates.
E20020	20	925	52	EBA with a content of 20% butyl acrylate. It combines excellent processability and flexibility with good mechanical properties. Good adhesion to polar substrates.

NEW



Extrusion coating

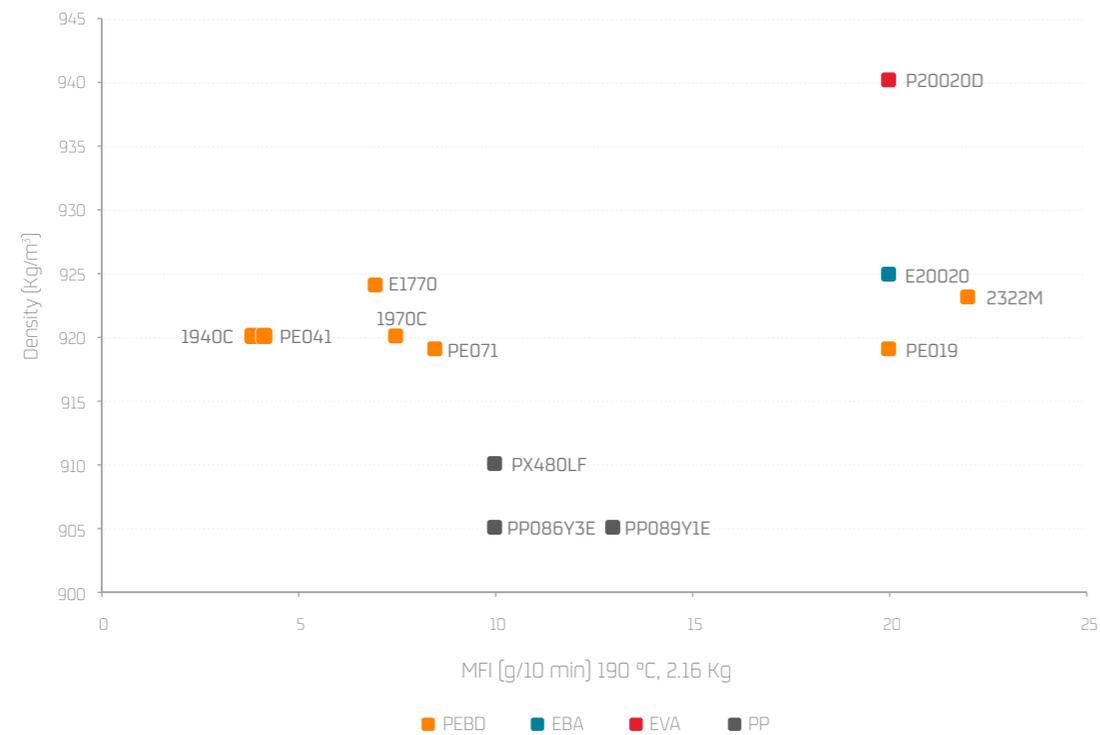
Repsol Isplen



Grade	Resin	MFI ISO 1133 [g/10 min] 230 °C / 2.16 Kg	Density ISO 1183 [Kg/m ³]	Vicat temperature ISO 306 °C	Key properties
PP086Y3E	PP-H	25	905	153	PP homopolymer. High stiffness and barrier to moisture and grease. Excellent resistance to temperature and abrasion.
PP089Y1E	PP-H	31	905	153	PP homopolymer. High stiffness and barrier to moisture and grease. Excellent resistance to temperature and abrasion.
PX480LF	PP-C	25	910	132	Speciality. Excellent processability and adhesion. Good resistance to temperature and abrasion. High stiffness and barrier to moisture and grease.

NEW

Repsol Alcudia · Repsol Primeva® · Repsol Ebantix® · Repsol Isplen



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Safety and quality are our priority

Excellence is intrinsic to Repsol's values. It infuses our daily work and helps guide our decisions and actions, contributing to achieve the commitment made to our customers, stakeholders, employees, suppliers / partners, and society to build a better future.

Petrochemical complexes and logistics centers all have ISO 45001. **We are food safety leaders.** All our facilities are FSSC 22000 certified in recognition of our food safety risk management processes throughout the supply chain.

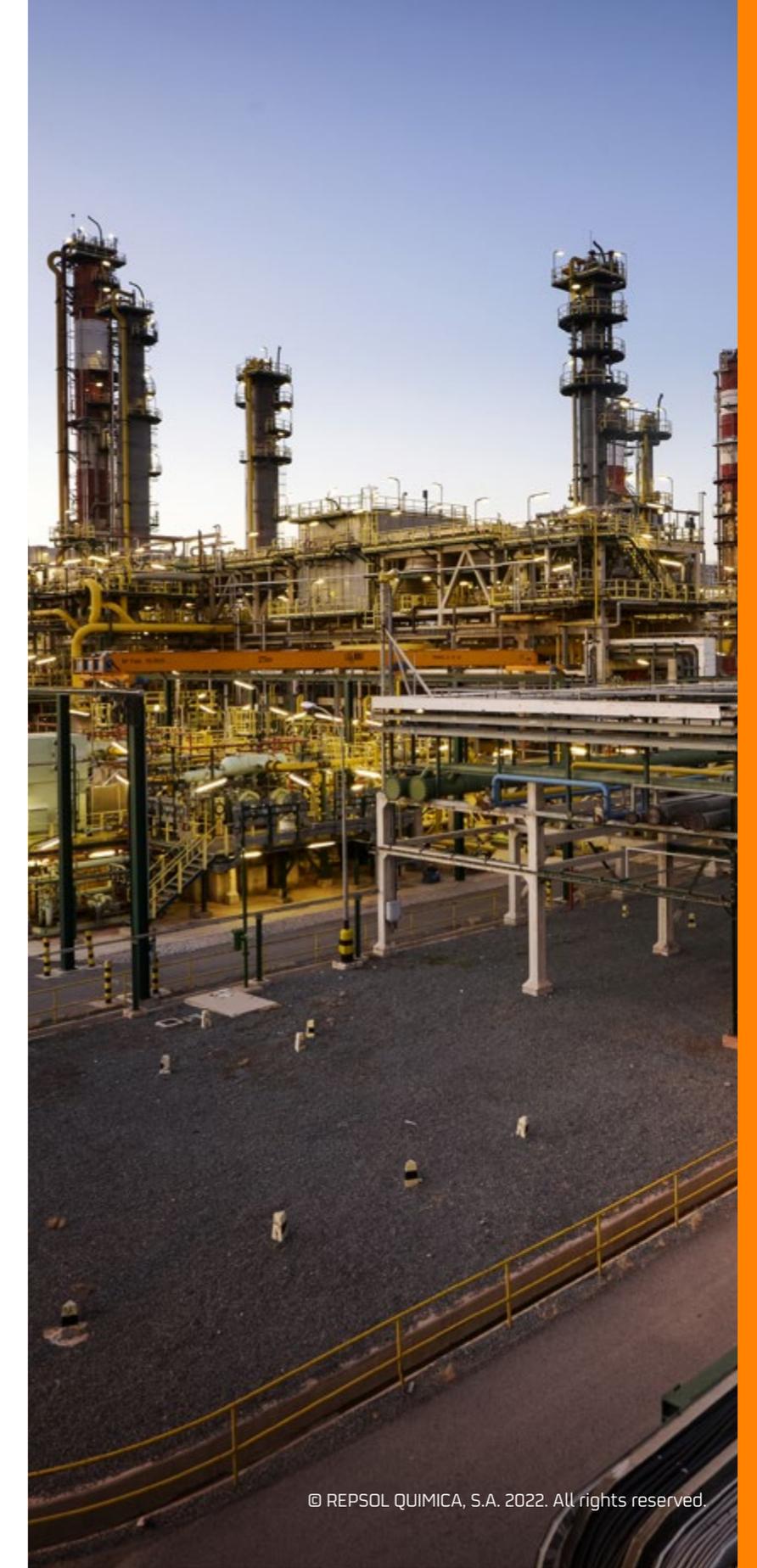
Technical Data Sheets and MSDS are available on: www.repsol.com

All petrochemical plants are compliant with the current ISO 9001 standards, for the quality of processes from manufacture to distribution, transport management and end product warehousing.

In February 2019 we obtained the ISCC PLUS certification in all our polyolefin production centers. **We are one of the leading companies in the production of circular polyolefins that use recycled plastic waste as raw material,** and this certification is an example of our commitment to promote the Circular Economy of our materials.

Certifications

Petrochemical plants, plants and logistics	All industrial complex	Puertollano, Tarragona and Monzón plants	Puertollano and Monzón plants	Puertollano, Tarragona and Sines
ISO 45001	FSSC 22000	IATF 16949	UNE-EN 15343	ISO 50001
	All petrochemical plants			ISO 14001
	ISO 9001			ISO 14064
	ISCC Plus			





Environment

We offer sustainable solutions for our clients: 100% recyclable polyolefins.

We have set up and deployed an ambitious CO₂ program reduction that pursues a 40% reduction in SCOPE 1 & 2 emissions by 2030 (2017 as reference year) and zero emissions before 2050. Energy efficiency programs to reduce energy consumption and GHG emissions are one of the key elements of our strategy in the short term, followed by deep process electrification and CCUS. Biofeedstocks and renewable electricity will have a relevant role in this transition.

These programs pursue long-term targets made public to facilitate their progress by the stakeholders. In this sense, Repsol Química is committed to a reduction of 0.26 million tons per year of GHG emissions in the 2021-2025 Strategic Plan and a 1.3 million tons per year reduction until 2030 with a roadmap to be a net-zero company before 2050.

Regarding SCOPE 3 emissions, Repsol Química will contribute to the CO₂ emissions reduction at the plastics' end of life with our circularity projects.

All petrochemical complexes have ISO 14001 certification for their environmental management and the reduction of the impact of their facilities, and ISO 14064 for the annual verification of greenhouse gas (GHG) emissions. In addition, the chemical area of our complexes in Tarragona (2015), Puertollano (2013), and Sines (2016) has implemented an Energy Management System according to the requirements indicated in the International Standard ISO 50001. This system is dedicated to developing and implementing our organization's energy policy and managing the energy aspects of our activities, products, or services. The objective is to increase and improve our energy efficiency based on systems implementation aimed at continuous energy performance improvement, thus contributing to more efficient and sustainable energy use.

Repsol Química has released on a yearly frequency the carbon footprint of all its product families since 2020, considering the "cradle to gate" scope based on ISO 14067.

Repsol's purpose is to become a net-zero emissions company by 2050, and our 2021-2025 Strategic Plan enables us to continue successfully advancing our multi-energy commitment.

Collaboration

Results orientation

Inspiring leadership

Intrapreneurship

Accountability



Chemicals Customer Care

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